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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 28

Complete if Known

Application Number	10/771,833
Filing Date	02/03/2004
First Named Inventor	Michael V. Milburn
Group Art Unit	
Examiner Name	
Attorney Docket Number	039363-1106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AK	A1	4,568,649		Bertoglio-Matte	02-04-1986	
	A2	4,626,513		Burton et al.	12-02-1986	
	A3	5,143,854		Pirrung et al.	09-01-1992	
	A4	5,426,039		Wallace et al.	06-20-1995	
	A5	5,434,049		Okano et al.	07-18-1995	
	A6	5,449,614		Danos et al.	09-12-1995	
	A7	5,474,935		Chatterjee et al.	12-12-1995	
	A8	5,556,752		Lockhart et al.	09-17-1996	
	A9	5,580,859		Feigner et al.	12-03-1996	
	A10	5,631,236		Woo et al.	05-20-1997	
	A1	5,632,957		Heller et al.	05-27-1997	
	A2	5,658,775		Gilboa	08-19-1997	
	A3	5,700,637		Southern	12-23-1997	
	A4	5,721,118		Scheffler	02-24-1998	
	A5	5,744,305		Fodor et al.	04-28-1998	
	A6	5,747,276		Hoch et al.	05-05-1998	
	A7	5,763,198		Hirth et al.	06-09-1998	
	A8	5,770,456		Holmes	06-23-1998	
	A9	5,800,992		Fodor et al.	09-01-1998	
	A10	5,807,522		Brown et al.	09-15-1998	
	A11	5,830,645		Pinkel et al.	11-03-1998	
	A12	5,856,174		Lipshutz et al.	01-05-1999	
	A13	5,877,007		Housey	03-02-1999	
	A14	5,959,098		Goldberg et al.	09-28-1999	
	A15	5,965,452		Kovacs	10-12-1999	
	A16	6,013,440		Lipshutz et al.	01-11-2000	
	A17	6,022,963		McGall et al.	02-08-2000	
	A18	6,025,155		Hadlaczky et al.	02-15-2000	
	A19	6,043,252		Bombrun	03-28-2000	
	A20	6,045,996		Cronin et al.	04-04-2000	
	A21	6,048,695		Bradley et al.	04-11-2000	
	A22	6,054,270		Southern	04-25-2000	
	A23	6,066,634		Sperl et al.	05-23-2000	
	A24	6,096,718		Weitzman et al.	08-01-2000	
	A25	6,107,478		Pedersen et al.	08-22-2000	
	A26	6,110,456		During	08-29-2000	
	A27	6,110,458		Freeman et al.	08-29-2000	
	A28	6,113,913		Brough et al.	09-05-2000	

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6/12/2008

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(use as many sheets as necessary)				Filing Date	02/03/2004
				First Named Inventor	Michael V. Milburn
				Group Art Unit	
				Examiner Name	
Sheet	2	of	28	Attorney Docket Number	039363-1106

U.S. PATENT DOCUMENTS

		U.S. Patent Document			
AK	A29	6,117,681		Salmons et al.	09-12-2000
	A30	6,143,746		Daugan et al.	11-07-2000
	A31	6,143,757		Daugan et al.	11-07-2000
	A32	6,166,219		Yamasaki et al.	12-26-2000
	A33	6,178,384		Kolossvary	01-23-2001
	A34	6,243,980		Bronstein et al.	06-12-2001
	A35	6,258,606		Kovacs	07-10-2001
	A36	6,261,776		Pirung et al.	07-17-2001
	A37	6,277,489		Abbott et al.	08-21-2001
	A38	6,277,628		Johann et al.	08-21-2001
	A39	6,294,330		Michnick et al.	09-25-2001
	A40	6,333,330		Bunnage et al.	12-25-2001
	A41	6,407,114		Bunnage et al.	06-18-2002
	A42	6,440,982		Maw et al.	08-27-2002
	A43	6,451,807		Emmick et al.	09-17-2002
	A44	6,492,371		Roylance	12-10-2002
	A45	6,500,610		Pamukeu et al.	12-31-2002
	A46	6,503,908		Maw	01-07-2003

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
AK	A47	EP	0463756	A	Pfizer Inc.	04-19-1995		
	A48	EP	0526004	A	Pfizer Limited and Pfizer Inc.	10-08-1997		
	A49	EP	0995751	A	Pfizer Limited and Pfizer Inc.	04-26-2000		
	A50	EP	0995750	A	Pfizer Limited and Pfizer Inc.	04-26-2000		
	A51	EP	0,154,734		Immunex Corporation	08-29-1990		
	A52	WO	00/24745		Pfizer Limited and Pfizer Inc.	05-04-2000		
	A53	WO	03/038080		Pfizer Limited	05-08-2003		
	A54	WO	93/06104		Pfizer Limited and Pfizer Inc.	04-01-1993		
	A55	WO	93/07124		Eisai Co.	04-15-1993		
	A56	WO	93/07149		Pfizer Limited and Pfizer Inc.	04-15-1993		

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AK	A57	WO	93/12095		Pfizer Limited and Pfizer Inc.	06-24-1993		
1	A58	WO	94/00453		Pfizer Limited and Pfizer Inc.	01-06-1994		
	A59	WO	95/19978		Laboratories Glaxco S.A.	07-27-1995		
	A60	WO	96/17958		The Regents of the University of California and The medical Research Council	06-13-1996		
	A61	WO	96/18738		Sugen Inc. and New York university	06-20-1996		
	A62	WO	97/46313		Array Technologies	12-11-1997		
	A63	WO	98/49166		Pfizer Limited	11-05-1998		
	A64	WO	99/09217		Hyseq, Inc.	02-25-1999		
	A65	WO	99/51773		Phylos, Inc.	10-14-1999		
	A66	WO	99/54333		Pfizer Inc. and Pfizer Limited	10-28-1999		

NON PATENT LITERATURE DOCUMENTS					
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AK	A67	AARONSON, "Growth Factors and Cancer," <i>Science</i> 254:1146-1153 (1991)			
	A68	ALFTHAN, "Surface Plasmon Resonance Biosensors as a Tool in Antibody Engineering," <i>Biosensors & Bioelectronics</i> 13:653-663 (1998)			
	A69	AL-OBEIDI, "Peptide and Peptidomimetic Libraries – Molecular Diversity and Drug Design," <i>Mol Biotechnol</i> 9(3):205-223 (1998)			
	A70	AMERSDORFER and MARKS, "Phage Libraries for Generation of Anti-Botulinum scFv Antibodies," <i>Methods in Molecular Biology</i> 145:219-240 (2001)			
	A71	BAGSHAW and HARRIS, "Measurement of Ligand Binding to Proteins," <i>Spectrophotometry and Spectrofluorometry: A Practical Approach</i> 4:91-114 (1987)			

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AK	A72	BAKRE <i>et al.</i> , <i>FEBS Lett.</i> , 408:345-349 (1997)	
	A73	BALLARD <i>et al.</i> , <i>J. Urol.</i> , 159:2164-2171 (1998)	
	A74	BARTLETT <i>et al.</i> , "CAVEAT: A Program to facilitate the structure-derived design of biologically active molecules." In <i>Molecular Recognition: Chemical and Biological Problems. The Proceedings of an International Symposium, University of Exeter, April 1989, Royal Society of Chemistry, Cambridge</i> 182-196 (1989)	
	A75	BEAVO, <i>et al.</i> , "Multiple Cyclic Nucleotide Phosphodiesterases," <i>Mol. Pharmacol.</i> 46:399-405 (1994)	
	A76	BELL, "Spectroscopy in Biochemistry," <i>CRC Press</i> 1:155-194 (1981)	
	A77	BELLIS <i>et al.</i> , "Characterization of Tyrosine Phosphorylation of Paxillin in Vitro by Focal Adhesion Kinase," <i>J. Biol. Chem.</i> 270:17437-17441 (1995)	
	A78	BERTHET, <i>et al.</i> , "The Assay of Glucagon and Epinephrine with Use of Liver Homogenates," <i>J. Biol. Chem.</i> 229:351-361 (1957)	
	A79	BLUNDELL <i>et al.</i> , "Knowledge-Based Protein Modeling and Design," <i>Eur. J. Biochem.</i> 172:513 (1988)	
	A80	BÖHM, "On the Use of LUDI to Search the Fine Chemicals Directory for Ligands of Proteins of Known Three-Dimensional Structure," <i>J. Comp. Aided Molec. Design</i> 8:623 (1994)	
	A81	BOLGER and SHERMAN, "Computer Modeling of Combining Site Structure of Anti-Hapten Monoclonal Antibodies," <i>Methods Enz.</i> 203:21-45 (1991)	

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AK	A82	BOWTELL, "Options Available - From Start to Finish - For Obtaining Expression Data by Microarray," <i>Nature Genetics Supp.</i> 21:25-32 (1999)	
	A83	BRENNER <i>et al.</i> , "Encoded Combinatorial Chemistry," <i>Proc. Natl. Acad. Sci. USA</i> , 89:5381-5383 (1992)	
	A84	BROWN and BIRNBAUMER, "Ionic Channels and Their Regulation by G Protein Subunits," <i>Ann. Rev. Physiol.</i> 52:197-213 (1990)	
	A85	BRÜNGER, "Free R Value: A Novel Statistical Quantity for Assessing the Accuracy of Crystal Structures," <i>Nature</i> 355:472-475 (1992)	
	A86	BUCHSCHER and PANGANIBAN, "Human Immunodeficiency Virus Vectors for Inducible Expression of Foreign Genes," <i>J. Virol.</i> 66:2731-2739 (1992)	
	A87	BURNS <i>et al.</i> , "The Catalytic Subunit of Protein Kinase A Triggers Activation of the Type V Cyclic GMP-Specific Phosphodiesterase from Guinea-Pig Lung," <i>Biochem. J.</i> , 283:487-491 (1992)	
	A88	CAPON <i>et al.</i> , "Designing CD4 Immuno adhesions for AIDS Therapy," <i>Nature</i> 377:525-531 (1989)	
✓	A89	CARELL <i>et al.</i> , "New Promise in Combinatorial Chemistry: Synthesis, Characterization, and Screening of Small-Molecule Libraries Solution," <i>Chem. Biol.</i> 3:171-183 (1995)	

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AK	A90	CHABALA, "Solid-Phase Combinatorial Chemistry and Novel Tagging Methods for Identifying Leads," <i>Curr Opin Biotechnol</i> 6(6):633-639 (1995)	
	A91	CHARBONNEAU, H., "Structure-Function Relationships Among Cyclic Nucleotide Phosphodiesterases," <i>Cyclic Nucleotide Phosphodiesterases: Structure, Regulation and Drug Action</i> , pp. 267-296 (1990)	
	A92	CHECOVICH, <i>et al.</i> , "Fluorescence Polarization - A New Tool for Cell and Molecular Biology," <i>Nature</i> 375:254-256 (1995)	
	A93	CLARK <i>et al.</i> , "PRO-LIGAND: An Approach to De Novo Molecular Design. 1. Application to the Design of Organic Molecules," <i>J. Comp. Aided Molec. Design</i> 9:13-32 (1995)	
	A94	COBB <i>et al.</i> , "Stable Association of pp60 ^{src} and pp59 ^{lyn} with the Focal Adhesion-Associated Protein Tyrosine Kinase, pp125 ^{FAK} " <i>Mol. Cell. Biol.</i> 14(1):147-155 (1994)	
	A95	COE <i>et al.</i> , "Solution-Phase Combinatorial Chemistry," <i>Mol Divers.</i> 4(1):31-38 (1998-99)	
	A96	COLLIUOD <i>et al.</i> , "Oriented and Covalent Immobilization of Target Molecules to Solid Supports: Synthesis and Application of a Light-Activatable and Thiol-Reactive Cross-Linking Reagent," <i>Bioconjugate Chem.</i> 4:528-536 (1993)	
	A97	COLMAN, "Structure-Based Design," <i>Current Opinion in Struc. Biol.</i> 4:868 (1994)	

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AK	A98	CONTI <i>et al.</i> , "Recent Progress in Understanding the Hormonal Regulation of Phosphodiesterases," <i>Endocr. Rev.</i> , 16:370-389 (1995)	
	A99	CORBIN and FRANCIS, "Cyclic GMP Phosphodiesterase-5: Target of Sildenafil," <i>The Journal of Biological Chemistry</i> 274(20):13729-13732 (1999)	
	A100	CREIGHTON, "An Empirical Approach to Protein Conformation Stability and Flexibility," <i>Biopolymers</i> 22(1):49-58 (1983)	
	A101	CWIRLA <i>et al.</i> , "Peptides on Phage: A Vast Library of Peptides for Identifying Ligands," <i>Biochemistry</i> 87:6378-6382 (1990)	
	A102	DANDLIKER, <i>et al.</i> , "Equilibrium and Kinetic Inhibition Assays Based Upon Fluorescence Polarization," <i>Methods in Enzymology</i> 74:3-28 (1981)	
	A103	DAVIS <i>et al.</i> , "Purification and Characterization of Guanosine 3':5' - Monophosphate-Specific Phosphodiesterase from Guinea Pig Lung," <i>J. Biol. Chem.</i> 252:4078-4084 (1977)	
	A104	DEGERMAN <i>et al.</i> , "Structure, Localization, and Regulation of cGMP-inhibited Phosphodiesterase (PDE3)," <i>J. Biol. Chem.</i> 272:6823-6826 (1997)	
	A105	DIKIC <i>et al.</i> , "A Role For Pyk2 and Src in Linking G-Protein-Coupled Receptors with MAP Kinase Activation," <i>Nature</i> 383:547-550 (1996)	

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		Filing Date	02/03/2004
		First Named Inventor	Michael V. Milburn
		Group Art Unit	
		Examiner Name	
Sheet	8	of	28
		Attorney Docket Number	039363-1106

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NON PATENT LITERATURE DOCUMENTS

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AK	A106	DOBELI, "Recombinant Fusion Proteins for the Industrial Production of Disulfide Bridge Containing Peptides: Purification, Oxidation Without Concatamer Formation, and Selective Cleavage," <i>Protein Expr. Purif.</i> 12:404-414 (1998)	
	A107	DOLLE and NELSON, "Comprehensive Survey of Combinatorial Library Synthesis: 1998," <i>J Comb Chem</i> 1(4):235-282 (1999)	
	A108	DOLPHIN, "G Protein Modulation of Calcium Currents in Neurons," <i>Ann. Rev. Physiol.</i> 52:243-255 (1990)	
	A109	DUONG <i>et al.</i> , "PYK2 in Osteoclasts is an Adhesion Kinase, Localized in the Sealing Zone, Activated by Ligation of $\alpha_v\beta_3$ Integrin, and Phosphorylated by Src Kinase," <i>J Clin Invest.</i> 102:881-892 (1998)	
	A110	ELISEEV and LEHN, "Dynamic Combinatorial Chemistry: Evolutionary Formation and Screening of Molecular Libraries," <i>Current Topics in Microbiology & Immunology</i> 243:159-172 (2000)	
	A111	ENJALBAL <i>et al.</i> , "Mass Spectrometry in Combinatorial Chemistry," <i>Mass Spectrometry Reviews</i> , 19:139-161 (2000)	
	A112	FENG, <i>et al.</i> , "Stable <i>in Vivo</i> Transduction Via a Novel Adenoviral/Retroviral Chimeric Vector," <i>Nature Biotechnology</i> 15:866-870 (1997)	
	A113	FISCHER and SCHONBRUNN, "The Bombesin Receptor is Coupled to a Guanine Nucleotide-Binding Protein Which is Insensitive to Pertussis and Cholera Toxins," <i>J. Biol. Chem.</i> 263(6):2808-2816 (1988)	

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AK	A114	FIVASH <i>et al.</i> , "BIAcore for Macromolecular Interaction," <i>Current Opinion in Biotechnology</i> 9:97-101 (1998)	
	A115	FLORIO <i>et al.</i> , "Phosphorylation of the 61-kDa Calmodulin-Stimulated Cyclic Nucleotide Phosphodiesterase at Serine 120 Reduces Its Affinity for Calmodulin," <i>Biochemistry</i> 33:8948-8954 (1994)	
	A116	FRANCIS <i>et al.</i> , "Cyclic GMP-Binding Cyclic GMP-Specific Phosphodiesterase From Lung," <i>Cyclic Nucleotide Phosphodiesterases: Structure, Regulation and Drug Action</i> , Beavo, J., and Houslay, M.D., eds, 117-140, John Wiley & Sons, Inc., New York (1990)	
	A117	FRANCIS <i>et al.</i> , "Characterization of a Novel cGMP Binding Protein from Rat Lung," <i>J. Biol. Chem.</i> 255:620-626 (1980)	
	A118	FRANCIS <i>et al.</i> , "Zinc Interactions and Conserved Motifs of the cGMP-binding cGMP-specific Phosphodiesterase Suggest That It Is a Zinc Hydrolase," <i>J. Biol. Chem.</i> 269:22477-22480 (1994)	
	A119	FRANCIS <i>et al.</i> , "Purification of cGMP-Binding Protein Phosphodiesterase from Rat Lung," <i>Methods Enzymol.</i> 159:722-729 (1988)	
	A120	FRANCIS <i>et al.</i> , "Ligand-Induced Conformational Changes in Cyclic Nucleotide Phosphodiesterases and Cyclic Nucleotide-Dependent Protein Kinases," <i>Methods</i> 14:81-92 (1998)	
	A121	FREIDINGER, RM., "Nonpeptidic Ligands for Peptide and Protein Receptors," <i>Current Opinion in Chemical Biology</i> 3:395-406 (1999)	

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AK	A122	FRUCHT, <i>et al.</i> , "Characterization of Functional Receptors for Gastrointestinal Hormones on Human Colon Cancer Cells," <i>Cancer Research</i> 52:1114-1122 (1992)	
	A123	FURCHGOTT and VANHOUTTE, "Endothelium-Derived Relaxing and Contracting Factors," <i>FASEB J.</i> 3:2007-2018 (1997)	
	A124	GALLOP <i>et al.</i> , "Applications of Combinatorial Technologies to Drug Discovery. 1. Background and Peptide Combinatorial Libraries," <i>J. Med. Chem.</i> 37:1233-1251 (1994)	
	A125	GETTYS, <i>et al.</i> , "Short-term Feedback Regulation of cAMP by Accelerated Degradation in Rat Tissues," <i>J. Biol. Chem.</i> 262:333-339 (1987)	
	A126	GILMAN, A., "G Proteins: Transducers of Receptor-Generated Signals," <i>Ann. Rev. Biochem.</i> 56:615-649 (1987)	
	A127	GOODFORD, P., "A Computational Procedure for Determining Energetically Favorable Binding Sites on Biologically Important Macromolecules," <i>J. Med. Chem.</i> 28:849-857 (1985)	
	A128	GOODSELL and OLSON, "Automated Docking of Substrates to Proteins by Simulated Annealing," <i>Proteins: Structure, Function, and Genetics</i> 8:195-202 (1990)	
✓	A129	GORDON <i>et al.</i> , "Applications of Combinatorial Technologies to Drug Discovery. 2. Combinatorial Organic Synthesis, Library Screening Strategies, and Future Directions," <i>J. Med. Chem.</i> 37:1385-1401 (1994)	

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AK	A130	GORDON and FORD, "Detection of Peroxides and Their Removal," <i>The Chemist's Companion: A Handbook of Practical Data, Techniques, and References</i> , p. 437 (1972)			
	A131	GRAM H., "Phage Display in Proteolysis and Signal Transduction," <i>Combinatorial Chemistry & High Throughput Screening</i> 2:19-28 (1999)			
	A132	GRAVERT and JANDA, "Synthesis on Soluble Polymers: New Reactions and the Construction of Small Molecules," <i>Curr Opin Chem Biol</i> 1(1):107-113 (1997)			
	A133	GREER, J., "Model Structure for the Inflammatory Protein C5a," <i>Science</i> 228:1055-1060 (1985)			
	A134	GRESSER and GLEITER, "Erectile Dysfunction Comparison of Efficacy and Side Effects of the PDE-5 Inhibitors Sildenafil, Vardenafil and Tadalafil Review of the Literature," <i>Eur J Med Res</i> 7:435-446 (2002)			
	A135	GUIDA, C., "Software for Structure-Based Drug Design," <i>Current Opinion in Struc. Biol.</i> 4:777-781 (1994)			
	A136	GUMBINER, B., "Proteins Associated with the Cytoplasmic Surface of Adhesion Molecules," <i>Neuron</i> , 11:551-564 (1993)			
	A137	HAFNER <i>et al.</i> , "Isothermal Amplification and Multimerization of DNA by <i>Bst</i> DNA Polymerase," <i>Biotechniques</i> 30:852-867 (2001)			

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AK	A138	HAMET <i>et al.</i> , "Cyclic GMP Binding and Cyclic GMP Phosphodiesterase in Rat Platelets," <i>J. Cyclic Nucleotide Res.</i> 4:281-290 (1978)	
	A139	HANSELMAN <i>et al.</i> , "A cDNA-Dependant Scintillation Proximity Assay for Quantifying Apolipoprotein A-1," <i>J. Lipid Res.</i> 38:2365-2373 (1997)	
	A140	HARTMANN, H. "Moleküldesign Bei Fluoreszenzfarbstoffen," <i>Chimia</i> 48:512-514 (1994)	
	A141	HAUCK <i>et al.</i> , "Focal Adhesion Kinase Functions as a Receptor-Proximal Signaling Component Required for Directed Cell Migration," <i>Immunol Res.</i> 21:293-303 (2000)	
	A142	HEIM and TSIEN, "Engineering Green Fluorescent Protein for Improved Brightness, Longer Wavelengths and Fluorescence Resonance Energy Transfer," <i>Curr. Biol.</i> 6:178-182 (1996)	
	A143	HILDEBRAND, <i>et al.</i> , "Identification of Sequences Required for the Efficient Localization of the Focal Adhesion Kinase, ppl125 ^{FAK} , to Cellular Focal Adhesions," <i>J. Cell Biol.</i> 123(4):993-1005 (1993)	
	A144	HILDEBRAND, <i>et al.</i> , "An SH3 Domain-Containing GTPase-Activating Protein for Rho and Cdc42 Associates with Focal Adhesion Kinase," <i>Mol Cell Biol.</i> 16:3169-3178 (1996)	
✓	A145	HILLE, B., "G Protein-Coupled Mechanisms and Nervous Signaling," <i>Neuron</i> 9:187-195 (1992)	

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AK	A146	HOUGHTEN <i>et al.</i> , "Generation and Use of Synthetic Peptide Combinatorial Libraries for Basic Research and Drug Discovery," <i>Nature</i> 354:84-86 (1991)	
	A147	HOUGHTEN, "Peptide Libraries: Criteria and Trends," <i>Trends in Genetics</i> 9(7):235-239 (1993)	
	A148	HOUGHTEN, "Parallel Array and Mixture-Based Synthetic Combinatorial Chemistry: Tools for the Next Millennium," <i>Annu Rev Pharmacol Toxicol</i> 40:273-282 (2000)	
	A149	HOUSLAY, M.D., "Compartmentalization of Cyclic AMP Phosphodiesterases, Signaling 'Crosstalk', Desensitization and the Phosphorylation of G _i -2 Add Cell Specific Personalization to the Control of the Levels of the Second Messenger Cyclic AMP," <i>Adv. Enzyme Regul.</i> 35:303-338 (1995)	
	A150	HUANG, <i>et al.</i> , "Tyrosine Kinase-Dependant Suppression of a Potassium Channel by the G Protein-Coupled m1 Muscarinic Acetylcholine Receptor," <i>Cell</i> 75:1145-1156 (1993)	
	A151	HUGHES-JONES <i>et al.</i> , "Synthesis of Rh Fv Phage-Antibodies Using VH and VL Germline Genes," <i>British Journal of Haematology</i> 105:811-816 (1999); McCall AM. Amoroso AR. Sautes C. Marks JD. Weiner LM., Characterization of anti-mouse Fc gamma RII single-chain Fv fragments derived from human phage display libraries, <i>Immunotechnology</i> . 4:71-87, (1998)	
	A152	HYNES, R., "Integrins: Bidirectional, Allosteric Signaling Machines," <i>Cell</i> 110:673-687 (2002)	
	A153	IWANE <i>et al.</i> , "Myosin Subfragment-1 is Fully Equipped with Factors Essential for Motor Function," <i>Biophys. Biochem. Res. Comm.</i> 230:76-80 (1997)	

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AK	A154	JOHANN, <i>et al.</i> , "GLVR1, a Receptor for Gibbon Ape Leukemia Virus, is Homologous to a Phosphate Permease of Neurospora Crassa and is Expressed at High Levels in the Brain and Thymus," <i>J. Virol.</i> 66:1635-1640 (1992)	
	A155	JOHNSTON, M., "Gene Chips: Array of Hope for Understanding Gene Regulation," <i>Curr. Biol.</i> 8:R171-R174 (1998)	
	A156	JONES, T., "Interactive Computer Graphics," <i>Methods in Enzymology</i> 115:157-171 (1985)	
	A157	JOSEPH-MCCARTHY D., "Computational Approaches to Structure-Based Ligand Design," <i>Pharmacology & Therapeutics</i> 84:179-191 (1999)	
	A158	KAHL <i>et al.</i> , "A Multiple-Approach Scintillation Proximity Assay to Measure the Association Between Ras and Raf," <i>Anal. Biochem.</i> 243:282-283 (1996)	
	A159	KERN and HAMPTON, "Direct Hybridization of Large-Insert Genomic Clones on High-Density Gridded cDNA Filter Arrays," <i>Biotechniques</i> 23:120-124 (1997)	
	A160	KIM and KAHN, "A Merger of Rational Drug Design and Combinatorial Chemistry: Development and Application of Peptide Secondary Structure Mimetics," <i>Combinatorial Chemistry & High Throughput Screening</i> 3:167-183 (2000)	
	A161	KIRKPATRICK <i>et al.</i> , "Structure-Based Drug Design: Combinatorial Chemistry and Molecular Modeling," <i>Combinatorial Chemistry & High Throughput Screening</i> 2:211-221 (1999)	

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AK	A162	KLINE <i>et al.</i> , "Studies by ¹ H Nuclear Magnetic Resonance and Distance Geometry of the Solution Conformation of the x-Amylase Inhibitor Tendamistat," <i>J. Mol. Biol.</i> 189:377-382 (1986)	
	A163	KNIGHTON <i>et al.</i> , "Structural Basis of the Intrasteric Regulation of Myosin Light Chain Kinases," <i>Science</i> 258:130-135 (1992)	
	A164	KOLASKAR and TONGAONKAR, "A Semi-Empirical Method for Prediction of Antigenic Determinants on Protein Antigens," <i>FEBBS Lett.</i> 276(1-2):172-174 (1990)	
	A165	KOTERA, <i>et al.</i> , "Expression of Rat cGMP-Binding cGMP-specific Phosphodiesterase mRNA in Purkinje Cell Layers During Postnatal Neuronal Development," <i>Eur. J. Biochem.</i> 249(2):434-442 (1997)	
	A166	KROLL, <i>et al.</i> , "A Multifunctional Prokaryotic Protein Expression System: Overproduction, Affinity Purification, and Selective Detection," <i>DNA Cell. Biol.</i> 12:441-453 (1993)	
	A167	KUNDU <i>et al.</i> , "Combinatorial Chemistry: Polymer Supported Synthesis of Peptide and Non-Peptide Libraries," <i>Progress in Drug Research</i> 53:89-156 (1999)	
	A168	KUNKEL, T., "Rapid and Efficient Site-Specific Mutagenesis Without Phenotypic Selection," <i>Proc. Natl. Acad. Sci.</i> 82:488-492 (1985)	
	A169	KUNTZ <i>et al.</i> , "Structure-Based Molecular Design," <i>Acc. Chem. Res.</i> 27:117-123 (1994)	

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				Application Number	10/771,833
				Filing Date	02/03/2004
				First Named Inventor	Michael V. Milburn
				Group Art Unit	
				Examiner Name	
Sheet	16	of	28	Attorney Docket Number	039363-1106

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AK	A170	KUNTZ <i>et al.</i> , "A Geometric Approach to Macromolecule-Ligand Interactions," <i>J. Mol. Biol.</i> 161:269-288 (1982)	
	A171	LAKKAKORPI, <i>et al.</i> , "Stable Association of PYK2 and p130 ^{Cas} in Osteoclasts and Their Co-Localization in the Sealing Zone," <i>J Biol Chem.</i> 274:4900-4907 (1999)	
	A172	LAM <i>et al.</i> , "A New Type of Synthetic Peptide Library for Identifying Ligand-Binding Activity," <i>Nature</i> 354:82-84 (1991)	
	A173	LEBL <i>et al.</i> , "One-Bead-One-Structure Combinational Libraries," <i>Biopolymers</i> 37:177-198 (1995)	
	A174	LEV, <i>et al.</i> , "Protein Tyrosine Kinase PYK2 Involved in Ca ²⁺ -Induced Regulation of Ion Channel and MAP Kinase Functions," <i>Nature</i> 376:737-745 (1995)	
	A175	LI and EARP, "Paxillin is Tyrosine-Phosphorylated by and Preferentially Associates With the Calcium-Dependent Tyrosine Kinase in Rat Liver Epithelial Cells," <i>J Biol Chem.</i> 272:14341-14348 (1997)	
	A176	LINCOLN, <i>et al.</i> , "Guanosine 3'-(prime)-Cyclic Monophosphate Binding Proteins in Rat Tissues," <i>Proc. Natl. Acad. Sci U.S.A.</i> 73:2559-2563 (1976); Yamazaki, <i>et al.</i> , <i>J. Biol. Chem.</i> 255:11619-11624 (1980)	
✓	A177	LIPAROTO and CIARDELLI, "Biosensor Analysis of the Interleukin-2 Receptor Complex," <i>Journal of Molecular Recognition</i> 12:316-321 (1999)	

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AK	A178	LIPINSKI <i>et al.</i> , "Experimental and Computational Approaches to Estimate Solubility and Permeability in Drug Discovery and Development Settings," <i>Advanced Drug Delivery Reviews</i> 23:3-25 (1997)	
	A179	LIPSCHULTZ <i>et al.</i> , "Experimental Design for Analysis of Complex Kinetics Using Surface Plasmon Resonance," <i>Methods</i> 20(3):310-318 (2000)	
	A180	LOCHHEAD, <i>et al.</i> , "The Regulation of the cGMP-binding cGMP Phosphodiesterase by Proteins That Are Immunologically Related to γ Subunit of the Photoreceptor cGMP Phosphodiesterase," <i>J. Biol. Chem.</i> 272(29):18397-18403 (1997)	
	A181	LOUGHNEY, <i>et al.</i> , "Isolation and Characterization of cDNAs Encoding PDE5A, a Human cGMP-Binding, cGMP-specific 3', 5'-Cyclic Nucleotide Phosphodiesterase," <i>Gene (Amst.)</i> 216:137-147 (1998)	
	A182	LU, <i>et al.</i> , Oriented Immobilization of Fab' Fragments on Silica Surfaces," <i>Anal. Chem.</i> 67:83-87 (1995)	
	A183	MADDEN <i>et al.</i> , "Synthetic Combinatorial Libraries: Views on Techniques and Their Application," <i>Perspectives in Drug Discovery and Design</i> 2:269-282 (1994)	
	A184	MALMBORG and BORREBAECK, "BIAcore as a Tool in Antibody Engineering," <i>Journal of Immunological Methods</i> 183:7-13 (1995)	
✓	A185	MALMQVIST <i>et al.</i> , "Biomolecular Interaction Analysis: Affinity Biosensor Technologies for Functional Analysis of Proteins," <i>Current Opinion in Chemical Biology</i> 1:378-383 (1997)	

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AK	A186	MALMQVIST, M., "BIACORE: An Affinity Biosensor System For Characterization of Biomolecular Interactions," <i>Biochemical Society Transactions</i> 27:335-340 (1999)	
	A187	MARKIEWICZ <i>et al.</i> , "Synthetic Oligonucleotide Combinatorial Libraries and Their Applications," <i>Farmaco</i> 55:174-177 (2000)	
	A188	MARTIN, Y., "Computer-Assisted Rational Drug Design," <i>Methods Enz.</i> 203:587-613 (1991)	
	A189	MARTINEZ <i>et al.</i> , "The Two GAF Domains in Phosphodiesterase 2A Have Distinct Roles in Dimerization and in cGMP Binding," <i>Proc Natl Acad Sci USA</i> 99:13260-13265 (2002)	
	A190	McALLISTER-LUCAS, <i>et al.</i> , "The Structure of a Bovine Lung cGMP-binding, cGMP-specific Phosphodiesterase Deduced from a cDNA Clone," <i>J. Biol. Chem.</i> 268:22863-22873 (1993)	
	A191	McALLISTER-LUCAS <i>et al.</i> , "An Essential Aspartic Acid at Each of Two Allosteric cGMP-binding Sites of a cGMP-specific Phosphodiesterase," <i>J. Biol. Chem.</i> 270:30671-30679 (1995)	
	A192	MCCALL, <i>et al.</i> , "Characterization of Anti-Mouse Fcγ RII Single-Chain Fv Fragments Derived from Human Phage Display Libraries," <i>Immunotechnology</i> 4:71-87 (1998)	
	A193	McPHERSON, A., "Current Approaches to Macromolecular Crystallization," <i>Eur. J. Biochem.</i> 189:1-23 (1990)	

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				First Named Inventor	Michael V. Milburn	
				Group Art Unit		
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AK	A194	MCSHAN <i>et al.</i> , "Csk Homologous Kinase Associates with RAFTK/Pyk2 in Breast Cancer Cells and Negatively Regulates its Activation and Breast Cancer Cell Migration," <i>Internat. J. Oncology</i> 21:197-205 (2002)			
	A195	MENG <i>et al.</i> , "Automated Docking With Grid-Based Energy Evaluation," <i>J. Comput. Chem.</i> 13:505:524 (1992)			
	A196	MERRITT, A., "Solution Phase Combinatorial Chemistry," <i>Comb Chem High Throughput Screen</i> 1(2):57-72 (1998)			
	A197	MILLER <i>et al.</i> , "FLOG: A System to Select 'Quasi-Flexible' Ligands Complementary to a Receptor of Known Three-Dimensional Structure," <i>J. Comp. Aided Molec. Design</i> 8:153-174 (1994)			
	A198	MIRANKER and KARPLUS, "Functionality Maps of Binding Sites: A Multiple Copy Simultaneous Search Method," <i>Proteins: Structure, Function, and Genetics</i> 11:29-34 (1991)			
	A199	MITRA <i>et al.</i> , "Fluorescence Resonance Energy Transfer Between Blue-Emitting and Red-Shifted Excitation Derivatives of the Green Fluorescent Protein," <i>Gene</i> 173:13-17 (1996)			
	A200	MURRAY, "The Therapeutic Potential of PDE V _A Inhibitors as, For Example, Vasodilators, Bronchodilators and Modulators of Gastrointestinal Motility, is Largely Based on the Effects of One Compound, Zaprinast, and a Clearer Picture Will be Obtained When Other Rationally Designed Inhibitors Become Available," <i>DN&P</i> 6(3):150-156 (1993)			
✓	A201	NAVAZA, J., "AMoRe: An Automated Package for Molecular Replacement," <i>Acta Crystallogr.</i> A50:157-163 (1994)			

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AK	A202	NEIDLE and JENKINS, "Molecular Modeling to Study DNA Intercalation by Anti-Tumor Drugs," <i>Methods Enz.</i> 203:433-458 (1991)	
	A203	NG, <i>et al.</i> , "Engineering Protein-Lipid Interactions: Targeting of Histidine-Tagged Proteins to Metal-Chelating Lipid Monolayers," <i>Langmuir</i> 11:4048-4055 (1995)	
	A204	NICHOLLS <i>et al.</i> , "Protein Folding and Association: Insights From the Interfacial and Thermodynamic Properties of Hydrocarbons," <i>Proteins</i> 11:281-296 (1991)	
	A205	NICHOLS <i>et al.</i> , "Development of a Scintillation Proximity Assay for Peroxisome Proliferator-Activated Receptor γ Ligand Binding Domain," <i>Anal. Biochem.</i> 257:112-119 (1998)	
	A206	O'SHANNESSY and WINZOR, "Interpretation of Deviations From Pseudo-First-Order Kinetic Behavior in the Characterization of Ligand Binding by Biosensor Technology," <i>Analytical Biochemistry</i> . 236:275-283 (1996)	
	A207	O'SHANNESSY, D., "Determination of Kinetic Rate and Equilibrium Binding Constants for Macromolecular Interactions: a Critique of the Surface Plasmon Resonance Literature," <i>Current Opinions in Biotechnology</i> . 5:65-71 (1994)	
	A208	OKADA <i>et al.</i> , "Gene Therapy Against an Experimental Glioma Using Adeno-Associated Virus Vectors," <i>Gene Ther.</i> 3:957-964 (1996)	
	A209	OTWINOWSKI, Daresbury, United Kingdom, 80-86 (1991)	

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AK	A210	OWICKIET <i>et al.</i> , "Application of Fluorescence Polarization Assays in High-Throughput Screening," <i>Genetic Engineering News</i> 17:27 (1997)	
	A211	PAI, <i>et al.</i> , "Structure for the Guanine-Nucleotide-Binding Domain of the Ha-ras Oncogene Product p21 in the Triphosphate Conformation," <i>Nature</i> 341:209-214 (1989)	
	A212	PARKER <i>et al.</i> , "Development of High Throughput Screening Assays Using Fluorescence Polarization: Nuclear Receptor-Ligand-Binding and Kinase/phosphatase Assays," <i>J Biomol Screen</i> 5:77-88 (2000)	
	A213	PERCIVAL, <i>et al.</i> , "Zinc Dependent Activation of cAMP-Specific Phosphodiesterase (PDE4A)," <i>Biochem. Biophys. Res. Commun.</i> 241:175-180 (1997)	
	A214	PERRIN D., "Nucleic Acids for Recognition and Catalysis: Landmarks, Limitations, and Looking to the Future," <i>Combinatorial Chemistry & High Throughput Screening</i> 3:243-269 (2000)	
	A215	PFLUGRATH <i>et al.</i> , "Crystal Structure Determination, Refinement and the Molecular Model of the x-Amylase Inhibitor Hoe-467A," <i>J. Mol. Biol.</i> 189:383-386 (1986)	
	A216	PLUNKETT and ELLMAN, "A Silicon-Based Linker For Traceless Solid-Phase Synthesis," <i>J. Org. Chem.</i> 60:6006-6007 (1995)	
	A217	POLTE and HANKS, "Interaction Between Focal Adhesion Kinase and Crk-Associated Tyrosine Kinase Substrate p130 ^{Cas} ," <i>Proc Natl Acad Sci U.S.A.</i> 92:10678-10682 (1995)	

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sk	A218	POUL <i>et al.</i> , "Selection of Tumor-Specific Internalizing Human Antibodies From Phage Libraries," <i>Journal of Molecular Biology</i> 301:1149-1161 (2000)	
	A219	PRICE <i>et al.</i> ; "Summary Report on the ISOBM TD-4 Workshop: Analysis of 56 Monoclonal Antibodies Against the MUC1 Mucin," <i>Tumor Biology</i> 19(Suppl 1):1-20 (1998)	
	A220	RIDLEY and HALL, "Signal Transduction Pathways Regulating Rho-Mediated Stress Fibre Formation: Requirement For a Tyrosine Kinase," <i>The EMBO Journal</i> 13(11):2600-2610 (1994)	
	A221	ROBERTS, <i>et al.</i> , "Generation of an Antibody With Enhanced Affinity and Specificity For Its Antigen by Protein Engineering," <i>Nature</i> 328:731-734 (1987)	
	A222	RODRIGUEZ-PENA, <i>et al.</i> , "Rapid Dephosphorylation of A Mr 80000 Protein, a Specific Substrate of Protein Kinase C Upon Removal of Phorbol Esters, Bombesin and Vasopressin," <i>Biochemical and Biophysical Research Communication</i> 140(1):379-385 (1986)	
	A223	ROSENFELD, M., "Human Artificial Chromosomes Get Real," <i>Nat. Genet.</i> 15:333-335 (1997)	
	A224	ROTELLA, "Phosphodiesterase 5 Inhibitors: Current Status and Potential Applications," <i>Nature Reviews</i> 1:674-682 (2002)	
	A225	SAIKI, R., "Amplification of Genomic DNA," <i>PCR Protocols</i> 13-20 (1990)	

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		Group Art Unit	
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AK	A226	SAMBROOK <i>et al.</i> , "Introduction of Recombinant Vectors into Mammalian Cells," <i>Molecular Cloning: 2nd Ed.</i> , 16.30-16.37 (1989)	
	A227	SANCHEZ, <i>et al.</i> , "Cyclic-GMP-Binding, Cyclic-GMP-Specific Phosphodiesterase (PDE5) Gene Expression is Regulated During Rat Pulmonary Development," <i>Pediatric Research</i> 43:163-168 (1998)	
	A228	SASAKI <i>et al.</i> , "Cloning and Characterization of Cell Adhesion Kinase β , a Novel Protein-Tyrosine Kinase of the Focal Adhesion Kinase Subfamily," <i>J Biol Chem.</i> 270:21206-21219 (1995)	
	A229	SCHALLER <i>et al.</i> , "Autonomous Expression of a Noncatalytic Domain of the Focal Adhesion-Associated Protein Tyrosine Kinase pp125 ^{FAK} ," <i>Mol. Cell. Biol.</i> 13(2):785-791 (1993)	
	A230	SCHALLER, <i>et al.</i> , "pp125 ^{FAK} , a Structurally Distinctive Protein-Tyrosine Kinase Associated with Focal Adhesions," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 89:5192-5196 (1992)	
	A231	SCHLAEPFER <i>et al.</i> , "Signaling Through Focal Adhesion Kinase," <i>Prog in Biophys Mol Biol.</i> 71:435-478 (1999)	
	A232	SCHLESSINGER, J., "Signal Transduction by Allosteric Receptor Oligomerization," <i>Trends Biochem. Sci.</i> , 13:443-47 (1988)	
	A233	SCHNEIDER, <i>et al.</i> , "Functional Purification of a Bacterial ATP-Binding Cassette Transporter Protein (MalK) From the Cytoplasmic Fraction of an Overproducing Strain," <i>Protein Expr. Purif.</i> 6:10-14 (1995)	

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AK	A234	SCHREY, <i>et al.</i> , "Bombesin and Glucocorticoids Stimulate Human Breast Cancer Cells to Produce Endothelin, a Paracrine Mitogen for Breast Stromal Cells," <i>Cancer Research</i> 52:1786-1790 (1992)			
	A235	SCHUHMANN, <i>et al.</i> , "Immobilization of Enzymes on Langmuir-Blodgett Films Via a Membrane-Bound Receptor. Possible Applications for Amperometric Biosensors," <i>Adv. Mater.</i> 3:388-391 (1991)			
	A236	SCHUMMER, <i>et al.</i> , "Inexpensive Handheld Device For the Construction of High-Density Nucleic Acid Arrays," <i>Biotechniques</i> 23:1087-1092 (1997)			
	A237	SCHWEIZER and HINGSGAUL, "Combinatorial Synthesis of Carbohydrates," <i>Curr Opin Chem Biol</i> 3(3):291-298 (1999)			
	A238	SEKHAR, <i>et al.</i> , "Design and Synthesis of Xanthines and Cyclic GMP Analogues as Potent Inhibitors of PDE5," <i>Phosphodiesterase Inhibitors</i> 135-146 (1996)			
	A239	SELVIN, P., "Fluorescence Resonance Energy Transfer," <i>Meth. Enzymol.</i> 246:300-345 (1995)			
	A240	SHATTIL <i>et al.</i> , "Tyrosine Phosphorylation of pp125 ^{FAK} in Platelets Requires Coordinated Signaling Through Integrin and Agonist Receptors," <i>J. Biol. Chem.</i> 269(20):14738-14745 (1994)			
	A241	SHEETS <i>et al.</i> , "Efficient Construction of a Large Nonimmune Phage Antibody Library: the Production of High-Affinity Human Single-Chain Antibodies to Protein Antigens," (published erratum) <i>Proc Natl Acad Sci USA</i> 95:6157-6162 (1998)			

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AK	A242	SHETH, <i>et al.</i> , "Isolation and Regulation of the cGMP-Inhibited cAMP Phosphodiesterase in Human Erythroleukemia Cells," <i>Throm. Haemostasis</i> 77:155-162 (1997)	
	A243	SIEG, <i>et al.</i> , "FAK Integrates Growth-Factor and Integrin Signals to Promote Cell Migration," <i>Nat Cell Biol.</i> 2:249-257 (2000)	
	A244	SIEGEL <i>et al.</i> , "Mass Spectral Analysis of a Protein Complex Using Single-Chain Antibodies Selected on a Peptide Target: Applications to Functional Genomics," <i>Journal of Molecular Biology</i> 302:285-293 (2000)	
	A245	SIGAL, <i>et al.</i> , "A Self-Assembled Monolayer for the Binding and Study of Histidine-Tagged Proteins by Surface Plasmon Resonance," <i>Anal. Chem.</i> 68:490-497 (1996)	
	A246	SMITH, <i>et al.</i> , "Necklace-Coded Polymer-Supported Combinatorial Synthesis of 2-Arylamino benzimidazoles," <i>J. Comb. Chem.</i> 1:368-370 (1999)	
	A247	SOLINAS-TOLDO, <i>et al.</i> , "Matrix-Based Comparative Genomic Hybridization: Biochips to Screen for Genomic Imbalances," <i>Genes, Chromosomes & Cancer</i> 20:399-407 (1997)	
	A248	SRIVASTAVA, <i>et al.</i> , "Effects of Magnesium on Cyclic GMP Hydrolysis by the Bovine Retinal Rod Cyclic GMP Phosphodiesterase," <i>Biochem. J.</i> 308:653-658 (1995)	
	A249	SUN, C., "Recent Advances in Liquid-Phase Combinatorial Chemistry," <i>Combinatorial Chemistry & High Throughput Screening</i> 2:299-318 (1999)	

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AK	A250	TAHER <i>et al.</i> , "Phosphodiesterase Activity in Human Cavemous Tissue and the Effect of Various Selective Inhibitors," <i>J. Urol.</i> 149:285A (1993)			
	A251	TAYLOR <i>et al.</i> , "The Rapid Generation of Oligonucleotide-directed Mutations at High Frequency Using Phosphorothioate-Modified DNA," <i>Nucl. Acids Res.</i> 13:8764-8785 (1985)			
	A252	THOMAS, <i>et al.</i> , "Characterization of a Purified Bovine Lung cGMP-binding cGMP Phosphodiesterase," <i>J. Biol. Chem.</i> 265:14964-14970 (1990)			
	A253	THOMAS, <i>et al.</i> , "Substrate- and Kinase-directed Regulation of Phosphorylation of a cGMP-binding Phosphodiesterase by cGMP," <i>J. Biol. Chem.</i> 265:14971-14978 (1990)			
	A254	TURKO, <i>et al.</i> , "Identification of Key Amino Acids in a Conserved cGMP-binding Site of cGMP-binding Phosphodiesterase (PDE5)," <i>J. Biol. Chem.</i> 271:22240-22244 (1996)			
	A255	TURKO, <i>et al.</i> , "Potential Roles of Conserved Amino Acids in the Catalytic Domain of the cGMP-binding cGMP-specific Phosphodiesterase (PDE5)," <i>J. Biol. Chem.</i> 273:6460-6466 (1998)			
	A256	ULLRICH and SCHLESSINGER, "Signal Transduction by Receptors With Tyrosine Kinase Activity," <i>Cell</i> 61:203-212 (1990)			
	A257	UNDENFRIEND <i>et al.</i> , "Scintillation Proximity Assay: A Sensitive and Continuous Isotopic Method for Monitoring Ligand/Receptor and Antigen/Antibody Interactions," <i>Anal. Biochem.</i> 161:494-500 (1987)			

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SK	A258	VAN REGENMORTEL, "Use of Biosensors to Characterize Recombinant Proteins," <i>Developments in Biological Standardization</i> 83:143-151 (1994)	
	A259	VELY <i>et al.</i> , "BIAcore [®] Analysis to Test Phosphopeptide-SH2 Domain Interactions," <i>Methods in Molecular Biology</i> 121:313-321 (2000)	
	A260	WEBER, G., "Energetics of Ligand Binding to Proteins," <i>Adv. Protein Chem.</i> 29:1-83 (1975)	
	A261	WEBER, P., "Physical Principles of Protein Crystallization," <i>Adv. Protein Chem.</i> 41:1-36 (1991)	
	A262	WESSJOHANN, "Synthesis of Natural-Product-Based Compound Libraries," <i>Curr Opin Chem Biol</i> 4(3):303-309 (2000)	
	A263	WHARAM <i>et al.</i> , "Specific Detection of DNA and RNA Targets Using a Novel Isothermal Nucleic Acid Amplification Assay Based on the Formation of a Three-Way Junction Structure," <i>Nucleic Acids Res.</i> 29(11):E54-E54 (2001)	
	A264	WILK-BLASZCZAK <i>et al.</i> , "Bradykinin Modulates Potassium and Calcium Currents in Neuroblastoma Hybrid Cells Via Different Pertussis Toxin-Insensitive Pathways," <i>Neuron</i> 12:109-116 (1994)	
	A265	WILLIAMS, <i>et al.</i> , "Dissection of Extracellular Human Interferon γ Receptor α -Chain Into Two Immunoglobulin-Like Domains. Production in an <i>Escherichia coli</i> Thioredoxin Gene Fusion Expression System and Recognition by Neutralizing Antibodies," <i>Biochemistry</i> 34:1787-1797 (1995)	

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SK	A266	WOON, <i>et al.</i> , "Construction and Characterization of a 10-Fold Genome Equivalent Rat P1-Derived Artificial Chromosome Library," <i>Genomics</i> 50:306-316 (1998)	
	A267	WYATT <i>et al.</i> , "ANF Elicits Phosphorylation of the cGMP Phosphodiesterase in Vascular Smooth Muscle Cells," <i>Am. J. Physiol.</i> 274:H448-H455 (1998)	
	A268	XIONG and PARSONS, "Induction of Apoptosis After Expression of PYK2, a Tyrosine Kinase Structurally Related to Focal Adhesion Kinase," <i>J Cell Biol.</i> 139:529-539 (1997)	
	A269	YAMAZAKI <i>et al.</i> , "Enzyme Regulation and GTP Binding Protein: An Algorithm of Control That Includes Physical Displacement of an Inhibitory Protein," <i>Adv. Cyclic Nucleotide Protein Phosphorylation Res.</i> 16:381-392 (1984)	
	A270	YANAKA, <i>et al.</i> , "Expression, Structure and Chromosomal Localization of the Human cGMP-binding cGMP-specific Phosphodiesterase PDE5A Gene," <i>J. Biochem.</i> 255:391-399 (1998)	

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